

2008-01-09 0760-0354PUS1
SEQUENCE LISTING

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KIDO, Yasuji

<120> ANTI-SARS VIRUS ANTIBODY, HYBRIDOMA PRODUCING THE
ANTIBODY AND IMMUNOASSAY REAGENT USING THE ANTIBODY

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<140> US 10/577,310
<141> 2006-04-28

<150> PCT/JP2004/016099
<151> 2004-10-29

<150> JP 2003-373779
<151> 2003-10-31

<150> JP 2004-034268
<151> 2004-02-10

<160> 3

<170> PatentIn version 3.1

<210> 1
<211> 1269
<212> DNA
<213> Coronavirus

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<221> CDS
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aca ttt ggt gga ccc aca gat tca act gac aat aac cag aat gga gga 96
Thr Phe Gly Gly Pro Thr Asp Ser Thr Asp Asn Asn Gln Asn Gly Gly
20 25 30

cgc aat ggg gca agg cca aaa cag cgc cga ccc caa ggt tta ccc aat 144
Arg Asn Gly Ala Arg Pro Lys Gln Arg Arg Pro Gln Gly Leu Pro Asn
35 40 45

aat act gcg tct tgg ttc aca gct ctc act cag cat ggc aag gag gaa 192
Asn Thr Ala Ser Trp Phe Thr Ala Leu Thr His Gly Lys Glu Glu
50 55 60

ctt aga ttc cct cga ggc cag ggc gtt cca atc aac acc aat agt ggt 240
Leu Arg Phe Pro Arg Gly Gln Gly Val Pro Ile Asn Thr Asn Ser Gly
65 70 75 80

cca gat gac caa att ggc tac tac cga aga gct acc cga cga gtt cgt 288
Pro Asp Asp Gln Ile Gly Tyr Tyr Arg Arg Ala Thr Arg Arg Val Arg
85 90 95

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tac cta gga act ggc cca gaa gct tca ctt ccc tac ggc gct aac aaa Tyr Leu Gly Thr Gly Pro Glu Ala Ser Leu Pro Tyr Gly Ala Asn Lys	384
115 120 125	
gaa ggc atc gta tgg gtt gca act gag gga gcc ttg aat aca ccc aaa Glu Gly Ile Val Trp Val Ala Thr Glu Gly Ala Leu Asn Thr Pro Lys	432
130 135 140	
gac cac att ggc acc cgc aat cct aat aac aat gct gcc acc gtg cta Asp His Ile Gly Thr Arg Asn Pro Asn Asn Ala Ala Thr Val Leu	480
145 150 155	
caa ctt cct caa gga aca aca ttg cca aaa ggc ttc tac gca gag gga Gln Leu Pro Gln Gly Thr Thr Leu Pro Lys Gly Phe Tyr Val Gly	528
165 170 175	
agc aga ggc ggc agt caa gcc tct tct cgc tcc tca tca cgt agt cgc Ser Arg Gly Gly Ser Gln Ala Ser Ser Arg Ser Ser Arg Ser Arg	576
180 185 190	
ggt aat tca aga aat tca act cct ggc agc agt agg gga aat tct cct Gly Asn Ser Arg Asn Ser Thr Pro Gly Ser Ser Arg Gly Asn Ser Pro	624
195 200 205	
gct cga atg gct agc gga ggt ggt gaa act gcc ctc gcg cta ttg ctg Ala Arg Met Ala Ser Gly Gly Glu Thr Ala Leu Ala Leu Leu	672
210 215 220	
cta gac aga ttg aac cag ctt gag agc aaa gtt tct ggt aaa ggc caa Asp Arg Leu Asn Gln Leu Glu Ser Lys Val Ser Gly Lys Gly Gln	720
225 230 235	
caa caa caa ggc caa act gtc act aag aaa tct gct gct gag gca tct Gln Gln Gln Gly Gln Thr Val Thr Lys Lys Ser Ala Ala Glu Ala Ser	768
245 250 255	
aaa aag cct cgc caa aaa cgt act gcc aca aaa cag tac aac gtc act Lys Lys Pro Arg Gln Lys Arg Thr Ala Thr Lys Gln Tyr Asn Val Thr	816
260 265 270	
caa gca ttt ggg aga cgt ggt cca gaa caa acc caa gga aat ttc ggg Gln Ala Phe Gly Arg Arg Gly Pro Glu Gln Thr Gln Gly Asn Phe Gly	864
275 280 285	
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305 310 315	
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325 330 335	
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340 345 350	

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Leu Leu Asn Lys His Ile Asp Ala Tyr Lys Thr Phe Pro Pro Thr Glu
355 360

cct aaa aag gac aaa aag aaa aag act gat gaa gct cag cct ttg ccg 1152
Pro Lys Lys Asp Lys Lys Lys Lys Thr Asp Glu Ala Gln Pro Leu Pro
370 380

cag aga caa aag aag cag ccc act gtg act ctt ctt cct gcg gct gac 1200
Gln Arg Gln Lys Lys Gln Pro Thr Val Thr Leu Leu Pro Ala Ala Asp
385 390 400

atg gat gat ttc tcc aga caa ctt caa aat tcc atg agt gga gct tct 1248
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gct gat tca act cag gca taa 1269
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20 25 30

Arg Asn Gly Ala Arg Pro Lys Gln Arg Arg Pro Gln Gly Leu Pro Asn
35 40 45

Asn Thr Ala Ser Trp Phe Thr Ala Leu Thr Gln His Gly Lys Glu Glu
50 55 60

Leu Arg Phe Pro Arg Gly Gln Gly Val Pro Ile Asn Thr Asn Ser Gly
65 70 75 80

Pro Asp Asp Gln Ile Gly Tyr Tyr Arg Arg Ala Thr Arg Arg Val Arg
85 90 95

Gly Gly Asp Gly Lys Met Lys Glu Leu Ser Pro Arg Trp Tyr Phe Tyr
100 105 110

Tyr Leu Gly Thr Gly Pro Glu Ala Ser Leu Pro Tyr Gly Ala Asn Lys
115 120 125

Glu Gly Ile Val Trp Val Ala Thr Glu Gly Ala Leu Asn Thr Pro Lys
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135

140

Asp His Ile Gly Thr Arg Asn Pro Asn Asn Asn Ala Ala Thr Val Leu
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Gln Leu Pro Gln Gly Thr Thr Leu Pro Lys Gly Phe Tyr Ala Glu Gly
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Ser Arg Gly Gly Ser Gln Ala Ser Ser Arg Ser Ser Ser Arg Ser Arg
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Gly Asn Ser Arg Asn Ser Thr Pro Gly Ser Ser Arg Gly Asn Ser Pro
 195 200 205

Ala Arg Met Ala Ser Gly Gly Gly Glu Thr Ala Leu Ala Leu Leu Leu
 210 215 220

Leu Asp Arg Leu Asn Gln Leu Glu Ser Lys Val Ser Gly Lys Gly Gln
 225 230 235 240

Gln Gln Gln Gly Gln Thr Val Thr Lys Lys Ser Ala Ala Glu Ala Ser
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Lys Lys Pro Arg Gln Lys Arg Thr Ala Thr Lys Gln Tyr Asn Val Thr
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Gln Ala Phe Gly Arg Arg Gly Pro Glu Gln Thr Gln Gly Asn Phe Gly
 275 280 285

Asp Gln Asp Leu Ile Arg Gln Gly Thr Asp Tyr Lys His Trp Pro Gln
 290 295 300

Ile Ala Gln Phe Ala Pro Ser Ala Ser Ala Phe Phe Gly Met Ser Arg
 305 310 315 320

Ile Gly Met Glu Val Thr Pro Ser Gly Thr Trp Leu Thr Tyr His Gly
 325 330 335

Ala Ile Lys Leu Asp Asp Lys Asp Pro Gln Phe Lys Asp Asn Val Ile
 340 345 350

Leu Leu Asn Lys His Ile Asp Ala Tyr Lys Thr Phe Pro Pro Thr Glu
 355 360 365

Pro Lys Lys Asp Lys Lys Lys Lys Thr Asp Glu Ala Gln Pro Leu Pro
 370 375 380

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Gln Arg Gln Lys Lys Gln Pro Thr Val Thr Leu Leu Pro Ala Ala Asp
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Met Asp Asp Phe Ser Arg Gln Leu Gln Asn Ser Met Ser Gly Ala Ser
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Ala Asp Ser Thr Gln Ala
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244-260 of SEQ ID NO:2 and Cysteine

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Arg Cys